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Abx ~~Summary~~

A method for operating a mixed-potential exhaust-gas probe for an internal combustion engine having a heatable probe ceramic 1.3 with a first electrode 1.5, which is arranged in a chamber 1.6 and is subjected to the reference atmosphere and with a second electrode 1.4 which detects gas molecules and is arranged in the exhaust gas of the internal combustion engine, a pump voltage being applied between the first and second electrodes by means of a pump voltage source, so that, in the interior of the chamber 1.6, a somewhat reduced oxygen partial pressure is adjusted by the electrochemical pumping off of the oxygen molecules, characterized in that one applies a constant external voltage to the electrodes (1.4, 1.5) with this voltage deviating from the thermodynamic equilibrium voltage of the wanted reaction, measuring and evaluating the current dropping across the electrodes (1.4, 1.5).